

Abstract

A method and apparatus for disinfection/pasteurization of fluids. There is provided a
5 mercury/gallium metal halide ultraviolet lamp enclosed within an ozone free metallic doped quartz envelope, an ozone free, metallic doped quartz enclosure for the lamp, and a vessel containing the lamp and enclosure and having an inlet, an outlet and a chamber in fluid
10 communication therewith defining a flow path for fluid to be disinfected/pasturized. The lamp is operated at a wavelength range from about 175 nanometers to about 450 nanometers to introduce ultraviolet radiation and heat into the fluid with the enclosure preventing build up of
15 ozone.

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